

IN THE CLAIMS:

Please amend claims 7, 9, 10, 11, 17 and 18 as follows:

Please cancel claims 1-6, 8, 12-16 and 22-25 without prejudice to or disclaimer of the subject matter recited therein.

Please add new claims 29-31.

1-6. (Canceled)

7. (Amended) A device for delivering fluid into a vessel wall comprising:

a catheter having at least one internal lumen;

an inflatable balloon in fluid communication with at least one internal lumen of the catheter and having an exterior surface;

at least one injector mounted on the exterior surface of the inflatable balloon in fluid communication with at least one internal lumen of the catheter, wherein the injector comprises

a hollow protrusion having a first end and a second end, and

a fluid channel; and

a sealing unit having a seal for sealing the fluid channel of the injector ~~The device of claim 5~~ wherein the seal seals the second end of the hollow protrusion.

8. (Canceled)

9. (Amended) A device for delivering fluid into a vessel wall comprising:

a catheter having at least one internal lumen;

an inflatable balloon in fluid communication with at least one internal lumen of the catheter and having an exterior surface;

at least one injector, having a fluid channel and mounted on the exterior surface of the inflatable balloon, in fluid communication with at least one internal lumen of the catheter; and

a sealing unit having a seal ~~The device of claim 1 wherein the surface of the sealing unit is patterned to resist~~ resists fluid flowing adjacent the sealing unit thereby inducing a force on sealing unit, urging the sealing unit to translate, and seal the fluid channel of the injector ~~preventing passage of fluid through the injector.~~

10. (Amended) The device of claim 1 ~~9~~ wherein the sealing unit is coated ~~to resist fluid flowing adjacent the sealing unit thereby inducing a force on sealing unit, urging the sealing unit to translate, and preventing passage of fluid through the injector.~~

11. (Amended) The device of claim 5 ~~7~~ wherein the seal is substantially spherical in shape.

12-16. (Canceled)

17. (Amended) A device for delivering fluid into a vessel wall comprising:

a catheter having at least one internal lumen;

an inflatable balloon in fluid communication with at least one internal lumen of the catheter and having an exterior surface;

at least one injector, having a fluid channel and mounted on the exterior surface of the inflatable balloon, in fluid communication with at least one internal lumen of the catheter;

a sealing unit having a seal; and

a mechanical system having ~~The device of claim 15 wherein the mechanical system is an elastic band~~ for applying a force urging the seal to seal the fluid channel of the injector.

18. (Amended) A device for delivering fluid into a vessel wall comprising:

a catheter having at least one internal lumen;

an inflatable balloon in fluid communication with at least one internal lumen of the catheter and having an exterior surface;

at least one injector, having a fluid channel and mounted on the exterior surface of the inflatable balloon, in fluid communication with at least one internal lumen of the catheter;

a sealing unit having a seal; and

~~The device of claim 5 further comprising a bond for maintaining the seal in a sealed position against the injector to prevent passage of fluid through the injector~~ seal the fluid channel of the injector.

19. The device of claim 18 wherein the bond is an adhesive bond.

20. The device of claim 18 wherein the bond is an electrostatic bond.

21. The device of claim 18 wherein the bond is a chemical bond.

22-25. (Canceled)

26. A method for delivering therapeutic into a vessel wall comprising:

inserting a catheter into the vessel of a patient, the catheter having an inflatable balloon with a first internal lumen, a fluid passageway with a second internal lumen, and an injector in fluid communication with the second internal lumen;

positioning the catheter at a diseased portion of the vessel within the patient;

inflating the inflatable balloon by forcing fluid into the first internal lumen of the catheter to embed the injector into the vessel wall;

infusing therapeutic into the vessel wall through the injector by forcing therapeutic fluid into the second internal lumen of the catheter and the fluid passageway; and

selectively sealing an injector that does not embed into a vessel wall.

27. A method for delivering fluid into a vessel wall comprising:

inserting a catheter into the vessel of a patient, the catheter having an inflatable balloon with an internal lumen, and an injector in fluid communication with the inflatable balloon;

positioning the catheter at a diseased portion of the vessel within the patient;

inflating the inflatable balloon by forcing fluid into the internal lumen of the catheter to embed the injector into the vessel wall;

infusing fluid into the vessel wall through the injector; and

selectively sealing an injector that does not embed into a vessel wall.

28. The method of claim 27 further comprising:
infusing therapeutic into the vessel wall through the injector by forcing therapeutic fluid into the internal lumen of the catheter.
29. (New) The device of claim 9 wherein the seal is coated.
30. (New) The device of claim 9 wherein the sealing unit is patterned.
31. (New) The device of claim 9 wherein the seal is patterned.